IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ebrahim ZANDI, et al.

Title: COMPOSITION AND METHOD

FOR RECONSTITUTING IKB KINASE IN YEAST AND METHODS OF USING SAME

Appl. No.: 10/079,949

Filing Date: 2/19/2002

Examiner: Prouty, Rebecca E.

Art Unit: 1652

Confirmation 6542

Number:

DECLARATION UNDER 37 CFR SECTION 1.131

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

- 1. We, Ebrahim Zandi and Beth Schomer Miller, hereby declare as follows.
- 2. We are the Ebrahim Zandi and Beth Schomer Miller, who are named as co-inventors of the above-identified application.
- 3. That we conceived and reduced to practice in the United States the transformation of an IKK subunit gamma (γ) gene, an IKK subunit alpha (α) gene and/or an IKK subunit beta (β) gene into yeast and the separation from that yeast a substantially homogenous and biologically functional IKK protein complex prior to November 15, 2000, the online publication date of the literature article Li et al. (2001) "Role of IKKγ/NEMO in Assembly of the IκB Kinase Complex"

Journal of Biological Chemistry 276(6):4494-4500. Attached hereto is Exhibit A, a copy of pages from laboratory notebooks recorded by Beth Schomer Miller working under our direct control and supervision showing a reduction to practice wherein the activity of a purified IKK complex from yeast transformed with either IKK β , IKK $\beta\gamma$, or IKK $\alpha\beta\gamma$ compared to mammalian IKK complex isolated from control Hela cells or TNF stimulated HELA cells was determined. These experimental results demonstrate that a yeast cell was transformed with an IKK subunit gamma (γ) gene, an IKK subunit alpha (α) gene and/or an IKK subunit beta (β) gene. The yeast was then grown and a substantially homogenous and biologically functional IKK protein complex was separated from the yeast.

- 4. That the documents in Exhibit A, which relates to the aforementioned actual reduction to practice, are exact and true copies. All personal information, including names and dates have been reducted from the documents, but all dates are prior to November 15, 2000.
- 5. We further declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are true; and further that all statements made herein are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United Sates Code, and that such false statements may jeopardize the validity of the patent application currently being examined and any patent issued thereon.

Respectfully submitted,

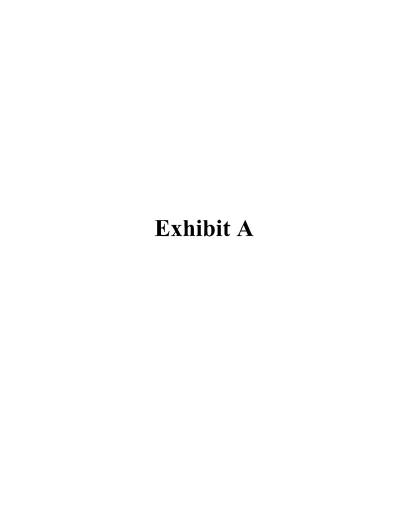
Ebrahim Zandi	
Ebruhin Zandi	06/24/2008
Signature:	Date:
Beth Schomer Miller	
Signature:	Date:

Atty. Dkt. No. 064189-0501

Beth Schomer Miller

Bettle Schore Willer Signature:

MILLER



IHL activity HNS 158 8.25 in Esec up. 258 BAL Fr 10-16 y 458 ΗA 1550 good sign to Fr YABY 10 Bur BHA Fr 15 gr Inh (151) HNS 6F afr 11 In h 10 40 m dretes Balare HNS 020 The \$20 week by fi. WA. durct WA 5-151 Klik B 7 by 15 scc breat than د 5 4 IKI Happen ~10 fold dilution would red 150/1 Sac Concentrate

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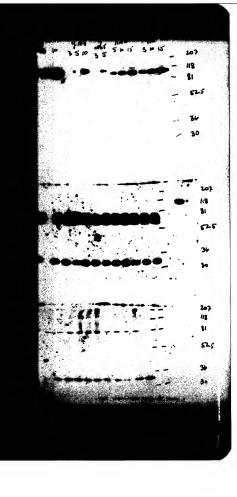
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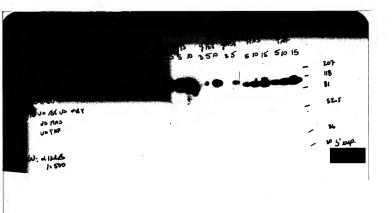
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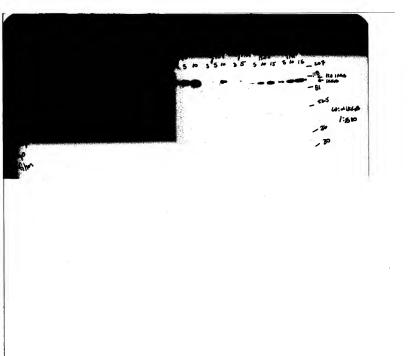
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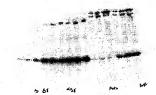
1. 3 M urea GF column fractions (concentrated)

2. yeast b, bg, abg, HNS, TNF stim Hela

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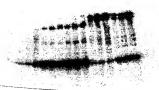
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